



type a plus sign (+) inside this box → +

Other:

•	
_	

PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE collection of information unless it displays a valid OMB control number

PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents Box Patent Application (Preferred arrangement set forth below) 1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification (preferred arrangement set forth below) 1. Descriptive title of the Invention 1. Cross Reference to Related Applications 1. Statement Regarding Fed sponsored R & D 1. Reference to sequence Ising, a table, or a computer program listing appendix 1. Background of the Invention 1. Bref Summay of Invention Inv		Under the Paperwork Reduction Act of 1995, no persons are requ			~~~~				
TRANSMITTAL (Only for new nonprivisional applications under 37 CFR 1.53(a)) APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO. Commissionar for Patents Box Patent Application Washington, DC 20231 1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification (preferred arrangement set forth below) - Cross Reference to Related Applications - Statement Regarding Fed sponsored R. D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Bird Summary of the trivention - Claim(s) - Abstract of the Disclosure A X Drawing(s) (35 U.S.C. 113) - Total Sheets 5 - X Oath or Declaration - Total Pages 2 - A Stract of the Disclosure Program (Appendix) - Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) - Deletion OF INVENTOR(S) - Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) Application Data Sheet. See 37 CFR 1.76 - CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) - Deletion Data Sheet. See 37 CFR 1.69 (d)(2) and 1.33(b) Application Data Sheet. See 37 CFR 1.69 (d)(2) and 1.33(b) Application Sequence Listing on: - I Copy of Copy of Copy of C	■ 7	UTILITY			et No.	JJD-0101			
### APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ### APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ### APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents Box Patent Application Washington, DC 20231 ### APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents Box Patent Application Washington, DC 20231 ### APPLICATION ELEMENTS ADDRESS TO: Commissioner for Patents Box Patent Applications ### Application (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence issting, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Claim(s) - Abstract of the Disclosure - A Wenth of Declaration - Claim(s) - Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) - Detection Option (Inventories) - Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). ### Application Data Sheet. See 37 CFR 1.76 - CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) - Computer Readable Form (CRF) - Specification Sequence Submission (if applicable, all necessary) - a Computer Readable Form (CRF) - Specification Sequence Listing on: - i Computer Readable Form (CRF) - December Sequence Listing on: - ii Computer Readable Form (CRF) - Specification Sequence Listing on: - ii Computer Readable Form (CRF) - December Sequence Listing on: - ii Computer Readable Form (CRF) - December Sequence Listing on: - ii Computer Readable Form (CRF) - December Sequence Listing on: - ii Computer Re									
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents Box Patent Application Washington, DC 20231 1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention -									
See MPEP chapter 600 concerning utility patent application contents. Box Patent Application Washington, Dc 20231 1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification (preferred arrangement set forth below) - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the Invention	(Only for	r new nonprovisional applications under 37 CFR 1.53(b))	Expre	ess Mail I	abel No.	EJ06316333303	 0		
2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification (preferred arrangement set forth below)					ADDRES	Box Patent Application			
3. X Specification (preferred arrangement set forth below) Descriptive title of the Invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) Limiting DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS Accompanying Application Decument (if applicable) Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations Preliminary Amendment	1. X	1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)							
- Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure A X Drawing(s) (35 U.S.C. 113) - Total Sheets - Abstract of the Disclosure Statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). - Application Data Sheet. See 37 CFR 1.76 - CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) - Application Data Sheet. See 37 CFR 1.76 - CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) - Computer Readable Form (CRF) - B. Specification Sequence Submission (if applicable, all necessary) - Assignment Papers (cover sheet & document(s)) - Abstract of the Disclosure Statement (when there is an assignee) - Power of Attorney - English Translation Document (if applicable) - Information Disclosure Statement (IDS)/PTO-1449 - Copies of IDS Citations - Preliminary Amendment	2.	Applicant claims small entity status. See 37 C	FR 1.	27 .					
\$. X Oath or Declaration Total Pages 2 a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	- Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s)								
a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	X Drawing(s) (35 U.S.C. 113) Total Sheets 5								
b. Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: ii. Dapper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	5. X								
CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) B. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	b. Copy from a prior application (37 CFR 1.63(d) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S)								
B. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	6.	Application Data Sheet. See 37 CFR 1.76							
a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	7.	CD-ROM or CD-R in duplicate, large table or C	ompi	uter Pro	gram (<i>A</i>	ppendix)			
b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment									
b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	<u> </u>								
i CD-ROM or CD-R (2 copies); or ii paper c Statements verifying identity of above copies ### ACCOMPANYING APPLICATION PARTS 9 Assignment Papers (cover sheet & document(s)) 10 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11 English Translation Document (if applicable) 12 Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13 Preliminary Amendment)								
ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment									
c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment									
9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment									
10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment									
10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment	9.	Assignment Papers (cover sheet & document(s))							
11. English Translation Document (if applicable) 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment		•	nee)			Power of Attorney			
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment									
13. Preliminary Amendment									
::									
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)									

Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

18. If a	18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:						
<u></u>	Continuation	in Application Data Divisional		rk 1.70. lation-in-part (CIP)	of prior applicati	ion No.:/	
Prior	application inform					Art Unit:	
For CON	NTINUATION or D	DIVISIONAL APPS or	nly: The entire disclo	osure of the prior applic	cation, from which an o	oath or declaration is supplied	
under Bo	ox 5b, is considere	red a part of the discl	losure of the accomp	panying continuation or n has been inadvertently	divisional application a	and is hereby incorporated by	
10.0.	2. 1110 the comp		1 uport				
19. FEE	CALCULATION	N					
İ				CLAIMS AS FILED)		
		(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$740.00	
	Total Claims		12 -20	0	x 18.00	0	
	Independent C	Claims	3 -3	0	× 84.00	0	
	Multiple Deper	ndent Claim Fee			+ 280.00	0	
				Т	TOTAL FILING FEE	\$740.00	
, _		cording Assignment	·				
		•		the amount of $\frac{\$}{7}$			
	The Comm	nissioner is hereby	authorized to charge	ge any additional fees	s under 37 CFR 1.16	6 and 1.17 which may be osit Account No. 05-1330.	
1		uring the entire pen e copy of this Form		Sation, or Great any C	Verpayment, to Dop.	JSR ACCOUNT NO. 00 1000.	
1		-					
1			20. CORRESP	PONDENCE ADDRI	ESS		
			'				
1				27810		Correspondence	
X	Sustomer Numb	er or Bar Code Lab	pel PATI	ENT TRADEMARK OFF	FICE or	address below	
<u> </u>	TOOS DU						
Name		J. ALLOCCA obil Research and	d Engineering Co	mnany (formerly E		nd Engineering Company	
Address			1 Eliginocinia -	mpany (ioi.i.o,		u Liigiiiooiii.g	
City	Annandal	le	State	New Jersey		Code 08801-0900	
Country	United St	tates of America	Telephor	ne (908) 730-362	29 Fax	(908) 730-3649	
		Ç					
Name	e (Print / Турө)	JOSEPH	J. ALLOCCA	Registration No.	. (Attorney / Agent)	27,766	
Signa	iture	Josep	if I cel	locca	Date	Feb 27,2002	
Express Mail" mailing label number I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office".							
to Addr	hereby certify the	hat this paper or fo	ee is being deposit	ed with the United St	tates Postal Service	e "Express Mail Post Office Commissioner for Patents,	
	gton, D.C. 2023	31.		icated above and to	addiessed to the	7011111100101101 TOT T GROWING	
ĺ	Phyllis A. Taylor Blue Ilia Ca Saudon						
(Typed or printed name of person mailing paper or fee) (Signature of person mailing paper or fee)							

APPLICATION FOR UNITED STATES PATENT

LOW EMISSIONS FUEL EMULSION

Applicants: Paul J. Berlowitz

Robert J. Wittenbrink Tapan Chakrabarty

"EXPRESS MAIL	" mailing label
---------------	-----------------

number

EJ083185353US

Date of Deposit

March 1, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Phyllis A. Taylor

(Typed or printed name of person mailing paper or fee)

Shyllis a. Yaylor (Signature of person mailing paper or fee)

Case No. JJD-0101

PATENT TRADEMARK OFFICE